

Claims

What is Claimed is:

- 1 1. A method for linking a scanned document to a video, comprising
2 the steps of:
3 (a) obtaining a scanned document having margins;
4 (b) removing the margins from the scanned document;
5 (c) scaling the scanned document;
6 (d) transforming the scanned document into a scanned
7 document identifier;
8 (e) obtaining a video file having a plurality of video frames;
9 (f) transforming the plurality of video frames into a plurality
10 of respective video frame identifiers;
11 (g) comparing the scanned document identifier with the
12 plurality of video frame identifiers; and
13 (h) linking the scanned document to a first video frame in the
14 plurality of video frames.
- 1 2. The method of claim 1, wherein the obtaining a scanned
2 document step includes the step of scanning a document.
- 1 3. The method of claim 1, wherein the removing the margins step
2 includes reducing the boundary box of the scanned document
3 until the margins having a uniform color is removed.
- 1 4. The method of claim 1, wherein the scaling step includes
2 scaling the scanned document to approximately 64 pixels by
3 approximately 64 pixels.

- 1 5. The method of claim 1, wherein the transforming the scanned
2 document step includes using a orthonormal transform.
6. The method of claim 5, wherein the orthonormal transform is a
discrete cosine transform.
- 1 7. The method of claim 5, wherein the transforming step includes
2 removing the least significant information.
- 1 8. The method of claim 1, wherein the obtaining a video file
2 includes recording an event with a video recorder.
- 1 9. The method of claim 1, wherein the transforming the plurality
2 of video frames step includes using a orthonormal transform.
- 1 10. The method of claim 9, wherein the orthonormal transform is a
2 discrete cosine transform.
- 1 11. The method of claim 10, wherein the transforming step includes
2 removing the least significant information.
- 1 12. The method of claim 1, wherein the comparing step includes
2 comparing color information from the scanned document and
3 color information from the plurality of video frames.
- 1 13. The method of claim 1, wherein the linking step includes linking
2 the scanned document to a first and a second frame in the
3 plurality of frames.

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- 1 21. An article of manufacture, including a computer readable
2 memory, comprising:
3 (a) a first software program for obtaining a scanned
4 document;
5 (b) a second software program for obtaining a video file; and
6 (c) a third software program for linking the scanned
7 document to a
8 (d) segment of the video file.
- 1 22. The article of manufacture of claim 21, wherein the third
2 software program includes an orthonormal transform.
- 1 23. The article of manufacture of claim 21, wherein the third
2 software program includes a scaling software program.
- 1 24. The article of manufacture of claim 21, wherein the third
2 software program includes a software program for removing the
3 least significant information.
- 1 25. The article of manufacture of claim 21, wherein the third
2 software program includes a software program for removing the
3 margins of the scanned document.
- 1 26. The article of manufacture of claim 21, wherein a fourth
2 software program extracts handwritten annotations from the
3 scanned document.

1 27. The article of manufacture of claim 21, wherein the third
2 software program links the scanned document to multiple
3 segments of the video file.

1 28. The article of manufacture of claim 21, wherein the third
2 software program compares color information from the scanned
3 document to color information from the video file.

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